BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

NAME OF WORK: Improvements CC Roads and CC Drains works at Agrahara Layout in Ward No.05 Byatarayanapura Sub Division

Estimate Cost Rs. 9900000.00

Sl.no.	Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
1	Earthwork excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5 m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications. and as per the directions of the Engineer-in-charge of the work.	Cum							
	For Culvert								
	2nd main Near Agrahara Bus Stand		1	4.90	2.00	1.10	10.78		
	Cross Road		1	9.50	2.00	1.20	22.80		
	Hospital road		1	8.70	2.00	1.20	20.88		
	6th Main 18th Cross		1	7.10	2.00	1.10	15.62		
	6th Main 17th Cross		1	4.80	2.00	1.10	10.56		
	5th Main 18th Cross		1	4.70	2.00	1.10	10.34		
	5th Main 18th Cross		1	7.00	2.00	1.10	15.40		
	D Kallappa Road		1	9.10	2.00	1.10	20.02		
			1	6.10	2.00	1.10	13.42		
	New Drain								
	Agrahara Layout								
	2nd Main Road		1	47.80	1.30	1.15	71.46		
	2nd Main To 4th Main 18th Cross Road		1	53.70	1.30	1.20	83.77		
	4th Main to 5th main 18th Crosss		1	50.90	1.30	1.20	79.40		
	5th Main to 6th Main 18th Cross		1	56.30	1.30	1.20	87.83		
	6th Main to Agrahara hospital		1	103.50	1.30	1.20	161.46		
	Agrahara hospital Back Side		1	107.00	1.30	1.10	153.01		
	D Kallappa road		1	67.00	1.30	1.10	95.81		
	New SSM Drain								
	D Kallappa Road								
			1	8.10	1.55	1.10	13.81		
	Agrahara Hospital		1	107.00	1.70	1.60	291.04		
	Hospital opposite		1	79.00	1.70	1.60	214.88		
	7th Main Bs Slab drain								
	13th to 12th Cross		2	23.00	0.55	0.38	9.61		
	12th to 11th Cross		2	23.00	0.55	0.380	9.61		
	11th to 10th Cross		2	24.00	0.55	0.370	9.77		
	10th to 9th Cross		1	48.40	0.55	0.37	9.94		
	9th to 8th Cross		2	24.20	0.55	0.37	9.85		
	12th Cross		1	7.00	0.55	0.45	1.73		
			10	0.28		2.00	5.60		
						Cum	**1448.41**	**137.80**	**199591.35**
	Basic Rate	130.00							
	Area Weightage @6%	7.80							
	Total	**137.80**							
2	Removing B S Slab of Drain and stacking 7.5MM Thick, and as per the directions of the Engineer-in-charge of the work.	Sqm							
	7th Main Bs Slab drain								
	13th to 12th Cross		1	36.90	1.35		49.82		
	12th to 11th Cross		1	36.70	1.35		49.55		
	11th to 10th Cross		1	38.00	1.35		51.30		
	10th to 9th Cross		1	38.40	1.35		51.84		
	9th to 8th Cross		1	38.40	1.35		51.84		
	12th Cross		1	5.80	1.35		7.83		
						Sqm	**262.17**	**104.94**	**27512.12**
	Basic Rate	99.00							

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Sl no.	Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
	Area Weightage @6%	5.94							
	Total	**104.94**							
3	Refixing stone slabs of drains and pointing in C.M (1:3) and as per the directions of the Engineer-in-charge of the work .	Sqm							
	7th Main Bs Slab drain								
	13th to 12th Cross		1	36.90	1.35		49.82		
	12th to 11th Cross		1	36.70	1.35		49.55		
	11th to 10th Cross		1	38.00	1.35		51.30		
	10th to 9th Cross		1	38.40	1.35		51.84		
	9th to 8th Cross		1	38.40	1.35		51.84		
	12th Cross		1	5.80	1.35		7.83		
						Sqm	**262.17**	**111.30**	**29179.52**
	Basic Rate	105.00							
	Area Weightage @6%	6.30							
	Total	**111.30**							
4	Providing granite slabs of selected quality roughly dressed and fixed in cement mortar(1:6) including fixing curing etc and as per the directions of the Engineer-in-charge of the work .	Sqm							
	7th Main Bs Slab drain								
	13th to 12th Cross		1	9.10	1.35		12.29		
	12th to 11th Cross		1	9.30	1.35		12.56		
	11th to 10th Cross		1	9.00	1.35		12.15		
	10th to 9th Cross		1	10.00	1.35		13.50		
	9th to 8th Cross		1	9.80	1.35		13.23		
	12th Cross		1	1.20	1.35		1.62		
						Sqm	**65.34**	**742.00**	**48482.28**
	Basic Rate	700.00							
	Area Weightage @6%	42.00							
	Total	**742.00**							
5	Construction of Rolled Cement Concrete mix 1:4:8 OPC cement @180kgs, with 25mm and down size graded granite metal coarse aggregate at 0.85cum and fine aggregates @0.57cum base course with coarse and fine aggregate conforming to IS:383, aggregate cement ratio 12:1 and minimum cement content of 180kg/ cum, aggregate gradation to be as per Table 600-4 after blending, mixing in batching plant at optimum moisture content, transporting to site, laying with a paver with electronic sensor, compacting with 8-10 tonnes smooth wheeled vibratory roller to achieve, the designed flexural strength, finishing and curing complete as per specifications and as per the directions of the Engineer-in-charge of the work .	Cum							
	For Culvert								
	3rd main Near Agrahara Bus Stand		1	4.90	2.00	0.15	1.47		
	Cross Road		1	9.50	2.00	0.15	2.85		
	hospital road		1	8.70	2.00	0.15	2.63		
	6th Main 18th Cross		1	7.10	2.00	0.15	2.13		
	6th Main 17th Cross		1	4.80	2.00	0.15	1.44		
	5th Main 18th Cross		1	4.70	2.00	0.15	1.41		
	5th Main 18th Cross		1	7.00	2.00	0.15	2.10		
	G kalappa Road		1	9.10	2.00	0.15	2.73		
			1	6.10	2.00	0.15	1.83		
	New Drain								
	Agrahara Layout								
	3rd Main Road		1	41.20	1.30	0.15	8.03		

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Sl no.	Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
	3rd Main To 4th Main 18th Cross Road		1	53.70	1.30	0.15	10.47		
	4th Main to 5th main 18th Crosss		1	50.90	1.30	0.15	9.93		
	5th Main to 6th Main 18th Cross		1	56.30	1.30	0.15	10.98		
	6th Main to Agrahara hospital		1	103.50	1.30	0.15	20.18		
	Agrahara hospital Back Side		1	107.00	1.30	0.15	20.99		
	G kallappa road		1	67.00	1.20	0.15	12.06		
	New SSm Drain								
	G Kalappa Road		1	8.10	1.55	0.15	1.88		
	Agrahara Hospital		1	107.00	1.70	0.15	27.34		
	Hospital opposite		1	79.00	1.70	0.15	20.15		
						Cum	**160.40**	**3606.12**	**578421.65**
	Basic Rate	3402.00							
	Area Weightage @6%	204.12							
	Total	**3606.12**							
6	Providing and constructing granite / trap / basalt size stone masonry in foundation with cement mortar 1:6, stone hammerd dressed in courses not less than 20 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications. and as per the directions of the Engineer-in-charge of the work	Cum							
	For Culvert								
	3rd main Near Agrahara Bus Stand		2	4.90	0.60	0.50	2.94		
	Cross Road		2	9.50	0.60	0.50	5.70		
	hospital road		2	8.70	0.60	0.50	5.22		
	6th Main 18th Cross		2	7.10	0.60	0.50	4.26		
	6th Main 17th Cross		2	4.80	0.60	0.50	2.88		
	5th Main 18th Cross		2	4.70	0.60	0.50	2.82		
	5th Main 18th Cross		2	7.00	0.60	0.50	4.20		
	G kalappa Road		2	9.10	0.60	0.50	5.46		
			2	6.10	0.60	0.50	3.66		
	New SSm Drain								
	G kalappa Road		2	8.10	0.60	0.45	4.37		
	Agrahara Hospital		2	107.00	0.60	0.20	25.68		
	Hospital opposite		2	79.00	0.60	0.20	18.96		
						Cum	**86.15**	**4871.76**	**419721.61**
	Basic Rate	4596.00							
	Area Weightage @6%	275.76							
	Total	**4871.76**							
7	Providing and constructing granite / trap / basalt size stone masonry in basement with cement mortar 1:6, edges of stones chistle dressed in courses not less than 15 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications. and as per the directions of the Engineer-in-charge of the work	Cum							
	For Culvert								
	3rd main Near Agrahara Bus Stand		2	4.90	0.50	0.45	2.21		
	Cross Road		2	9.50	0.50	0.45	4.28		
	hospital road		2	8.70	0.50	0.45	3.92		
	6th Main 18th Cross		2	7.10	0.60	0.45	3.83		
	6th Main 17th Cross		2	4.80	0.60	0.45	2.59		
	5th Main 18th Cross		2	4.70	0.60	0.45	2.54		
	5th Main 18th Cross		2	7.00	0.60	0.45	3.78		
	G kalappa Road		2	9.10	0.50	0.45	4.10		
			2	6.10	0.50	0.45	2.75		
	New SSm Drain								
	G kalappa Road		2	8.10	0.60	0.45	4.37		
	Agrahara Hospital		2	107.00	0.50	1.20	128.40		

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Sl no.	Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
	Hospital opposite		2	79.00	0.50	1.20	94.80		
						Cum	**257.55**	**5305.30**	**1366395.93**
	Basic Rate	5005.00							
	Area Weightage @6%	300.30							
	Total	**5305.30**							
8	Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for sides and soffits of beams, beam haunchings, cantilever girders, bressumers and lintels not exceeding 1m in depth including cost of all materials, labour complete as per specifications.and as per the directions of the Engineer-in-charge of the work .	Sqm							
	Agrahara Layout								
	3rd Main Road		4	47.80		0.865	165.41		
	3rd Main To 4th Main 18th Cross Road		4	53.70		0.90	193.32		
	4th Main to 5th main 18th Crosss		4	50.90		0.91	185.48		
	5th Main to 6th Main 18th Cross		4	56.30		0.88	198.63		
	6th Main to Agrahara hospital		4	103.50		1.00	414.00		
	Agrahara hospital Back Side		4	107.00		0.80	342.40		
	G kallappa road		4	67.00		0.80	214.40		
	For Culvert Slab								
	6th Main 18th Cross		1	7.10	0.60		4.26		
	6th Main 17th Cross		1	4.80	0.60		2.88		
	5th Main 18th Cross		1	4.70	0.60		2.82		
	5th Main 18th Cross		1	7.00	0.60		4.20		
	For Culvert Sides								
	6th Main 18th Cross		2	7.10		0.23	3.27		
	6th Main 17th Cross		2	4.80		0.23	2.21		
	5th Main 18th Cross		2	4.70		0.23	2.16		
	5th Main 18th Cross		2	7.00		0.23	3.22		
	For Culvert Sides								
	6th Main 18th Cross		2	1.80		0.23	0.83		
	6th Main 17th Cross		2	1.80		0.23	0.83		
	5th Main 18th Cross		2	1.80		0.23	0.83		
	5th Main 18th Cross		2	1.80		0.23	0.83		
						Sqm	**1741.96**	**309.52**	**539171.81**
	Basic Rate	292.00							
	Area Weightage @6%	17.52							
	Total	**309.52**							
9	Providing and laying Plain cement concrete of mix 1:3:6 with OPC @ 220kgs, with crushed 40mm and down size graded granite metal coarse aggregates @0.89cum and fine aggregates @ 0.46cum, in foundation mechanically mixed, placed in foundation and compacted by vibration including curing for 14 days including cost of all materials, labour, HOM curing, form works, scaffolding and centering complete as per specifications. and as per the directions of the Engineer-in-charge of the work .	Cum							
	For Culvert								
	Vent								
	3rd main Near Agrahara Bus Stand		1	4.90	0.60	0.15	0.44		
	Cross Road		1	9.50	0.60	0.15	0.86		
	hospital road		1	8.70	0.60	0.15	0.78		
	6th Main 18th Cross		1	7.10	0.60	0.15	0.64		
	6th Main 17th Cross		1	4.80	0.60	0.15	0.43		
	5th Main 18th Cross		1	4.70	0.60	0.15	0.42		
	5th Main 18th Cross		1	7.00	0.60	0.15	0.63		
	G kalappa Road		1	9.10	0.60	0.15	0.82		
			1	6.10	0.60	0.15	0.55		
	New SSm Drain								
	G kalappa Road For SSM drain		1	8.10	0.50	0.15	0.61		

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Sl no.	Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
	Agrahara Hospital		1	107.00	0.60	0.15	9.63		
	Hospital opposite		1	79.00	0.60	0.15	7.11		
	Side Wall								
	3rd main Near Agrahara Bus Stand		2	4.90	0.50	0.15	0.74		
	Cross Road		2	9.50	0.50	0.15	1.43		
	hospital road		2	8.70	0.50	0.15	1.31		
	6th Main 18th Cross		2	7.10	0.50	0.15	1.07		
	6th Main 17th Cross		2	4.80	0.50	0.15	0.72		
	5th Main 18th Cross		2	4.70	0.50	0.15	0.71		
	5th Main 18th Cross		2	7.00	0.50	0.15	1.05		
	G kalappa Road								
			2	9.10	0.50	0.15	1.37		
			2	6.10	0.50	0.15	0.92		
	G kalappa Road For SSM drain		2	8.10	0.50	0.20	1.62		
	Culvert Ramp								
	Cross Road		1	9.50	0.40	0.15	0.57		
						Cum	**34.39**	**5627.54**	**193550.80**
	Basic Rate	5309.00							
	Area Weightage @6%	318.54							
	Total	**5627.54**							
10	Providing Flush pointing to coursed stone masonry with cement mortar 1:3, 20mm deep, after raking joints to depth of 20mm nicely lining, including cost of materials, labour, curing complete as per specifications.and as per the directions of the Engineer-in-charge of the work .	Sqm							
	For Culvert								
	3rd main Near Agrahara Bus Stand		2	4.90		0.50	4.90		
	Cross Road		2	9.50		0.50	9.50		
	hospital road		2	8.70		0.50	8.70		
	6th Main 18th Cross		2	7.10		0.50	7.10		
	6th Main 17th Cross		2	4.80		0.50	4.80		
	5th Main 18th Cross		2	4.70		0.50	4.70		
	5th Main 18th Cross		2	7.00		0.50	7.00		
	G kalappa Road								
			2	9.10		0.50	9.10		
			2	6.10		0.50	6.10		
	G kalappa Road For SSM drain		2	8.10		0.80	12.96		
	Agrahara Hospital		2	107.00		1.20	256.80		
	Hospital opposite		2	79.00		1.20	189.60		
						Cum	**521.26**	**223.66**	**116585.01**
	Basic Rate	211.00							
	Area Weightage @6%	12.66							
	Total	**223.66**							
11	Providing and laying in position plain cement concrete of mix M20 with OPC cement @ 320kgs, with 20mm and down size graded granite metal coarse aggregates @0.875 cum and fine aggregtes @ 0.460 cum, with super plasticisers @ 3 liters confirming to is 9103-1999 reafirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in foundation for footings, pedastals, retaining walls, return walls, walls (any thickness) including attached pilasters, columnspillars, posts, struts, buttresses, bed blocks, anchor blocks & plinths etc., including cost of all materials, labour, HOM of machinery, curing, complete but excluding cost of reinforcement as per specifications. and as per the directions of the Engineer-in-charge of the work .	Cum							
	Bottom Raft								

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Sl no.	Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
	Agrahara Layout								
	3rd Main Road		1	47.80	1.10	0.15	7.89		
	3rd Main To 4th Main 18th Cross Road		1	53.70	1.10	0.15	8.86		
	4th Main to 5th main 18th Crosss			50.90	1.10	0.15	8.40		
	5th Main to 6th Main 18th Cross		1	56.30	1.05	0.15	8.87		
	6th Main to Agrahara hospital		1	103.50	1.00	0.15	15.53		
	Agrahara hospital Back Side		1	107.00	1.00	0.15	16.05		
	G kallappa road		1	91.90	1.05	0.15	14.47		
	Side Wall								
	Agrahara Layout								
	3rd Main Road		2	47.80	0.15	0.85	12.19		
	3rd Main To 4th Main 18th Cross Road		2	53.70	0.15	0.90	14.50		
	4th Main to 5th main 18th Crosss		2	50.90	0.15	0.80	12.22		
	5th Main to 6th Main 18th Cross		2	56.30	0.15	0.80	13.51		
	6th Main to Agrahara hospital		2	103.50	0.15	0.90	31.05		
	Agrahara hospital Back Side		2	107.00	0.15	0.80	25.68		
	G kallappa road		2	67.00	0.15	0.80	16.08		
	For Culvert Slab								
	6th Main 18th Cross		1	7.10	1.80	0.23	2.94		
	6th Main 17th Cross		1	4.80	1.80	0.23	1.99		
	5th Main 18th Cross		1	4.70	1.80	0.23	1.95		
	5th Main 18th Cross		1	7.00	1.80	0.23	2.90		
	For Rcc Drain Side Fillling								
	Agrahara Layout								
	3rd Main Road		1	47.80	0.15	0.15	1.08		
	3rd Main To 4th Main 18th Cross Road		1	53.70	0.15	0.15	1.21		
	4th Main to 5th main 18th Crosss		1	50.90	0.15	0.15	1.15		
	5th Main to 6th Main 18th Cross		1	56.30	0.15	0.15	1.27		
	6th Main to Agrahara hospital		1	103.50	0.15	0.15	2.33		
	G kallappa road		1	67.00	0.15	0.15	1.49		
	For SSm Drain								
	Agrahara Hospital		2	107.00	0.50	0.15	16.05		
						Cum	**239.02**	**5998.54**	**1433771.03**
	Basic Rate	5659.00							
	Area Weightage @6%	339.54							
	Total	**5998.54**							
12	Providing TMT steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, palcing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining memebrs wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications. and as per the directions of the Engineer-in-charge of the work .	Tonne							
	for Drain 65 kg			197.40	0.065		13.14		
	for Culvert 90kg			9.770	0.09		0.66		
						Tonne	**14.18**	**75223.96**	**1066857.89**
	Basic Rate	70966.00							
	Area Weightage @6%	4257.96							
	Total	**75223.96**							
13	KSRRB M300- Construction of Embankment with Material Gravel/ Murrum. KSRRB M300-53. Construction of embankment with approved material Gravel/Murrum with all lifts and leads, transporting to site, spreading, grading to required slope and compacting to meet requirement Table 300- 2 complete as per specifications.(Which includes cost of gravel/murrum, watering charges & compaction by vibratory roller) and as per the directions of the Engineer-in-charge of the work .	Cum							
	For Rcc Drain Side Fillling								

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Sl no.	Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
	Agrahara Layout								
	3rd Main Road		1	47.80	0.15	0.45	3.23		
	3rd Main To 4th Main 18th Cross Road		1	53.70	0.15	0.45	3.62		
	4th Main to 5th main 18th Crosss		1	50.90	0.15	0.45	3.44		
	5th Main to 6th Main 18th Cross		1	56.30	0.15	0.45	3.80		
	6th Main to Agrahara hospital		1	103.50	0.15	0.45	6.99		
	G kallappa road		1	67.00	0.15	0.45	4.52		
						Cum	**25.60**	**344.50**	**8817.82**
	Basic Rate	325.00							
	Area Weightage @6%	19.50							
	Total	**344.50**							
14	Providing, laying spreading and compacting graded stones aggregate to wet mix macadam specifications including premixing the material with water at OMC in mechanical mix plant carriage of mixed method of tipper to site, laying, in uniform layers with paver in sub base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specifications and as per the directions of the Engineer-in-charge of the work .	Cum							
	For Rcc Drain Side Fillling								
	Agrahara Layout								
	3rd Main Road		1	47.80	0.15	0.30	2.15		
	3rd Main To 4th Main 18th Cross Road		1	53.70	0.15	0.30	2.42		
	4th Main to 5th main 18th Crosss		1	50.90	0.15	0.30	2.29		
	5th Main to 6th Main 18th Cross		1	56.30	0.15	0.30	2.53		
	6th Main to Agrahara hospital		1	103.50	0.15	0.30	4.66		
	G kallappa road		1	67.00	0.15	0.30	3.02		
						Cum	**17.06**	**2001.28**	**34149.84**
	Basic Rate	1888.00							
	Area Weightage @6%	113.28							
	Total	**2001.28**							
15	Precast slab 20mm and down size for slab (including steel reinforcement) including centring and shuttering machine mixed concrete laid in layers not exceeding 15cms thick well compacted cost of all materials labour HOM of machineries curing complete as per specifications C : C 1:1.5:3 Including all cost of material (DATA RATE ENCLOSED) 10cm thick RCC pre cast slab. and as per the directions of the Engineer-in-charge of the work .	Sqm							
	Agrahara Layout								
	3rd Main Road		1	47.80	0.90		43.02		
	3rd Main To 4th Main 18th Cross Road		1	53.7	0.90		48.33		
	4th Main to 5th main 18th Crosss		1	50.9	0.90		45.81		
	5th Main to 6th Main 18th Cross		1	56.3	0.90		50.67		
	6th Main to Agrahara hospital		1	103.5	0.90		93.15		
	Agrahara hospital Back Side		1	107.0	0.90		96.30		
	G kallappa road		1	67.0	0.90		60.30		
	For SSm Drain								
	Agrahara Hospital		1	103.5	1.20		124.20		
	G Kalappa Road		1	8.10	1.20		9.72		
						Sqm	**571.50**	**2337.00**	**1335595.50**
	Data Rate	**2337.00**							

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Sl no.	Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
16	Providing and fixing RCC precast cover slab of 250mm thick made out of CC 1:2:4 and jelly 20mm and down size with steel reinforcement, including form work, lift charges, curing and concrete finished surfaces on both sides etc, complete and as per the directions of the Engineer-in-charge of the work . (Data Rate)	Sqm							
	Agrahara Layout								
	3rd main Near Agrahara Bus Stand		1	4.90	1.50		7.35		
	Cross Road		1	9.50	1.50		14.25		
	hospital road		1	8.70	1.50		13.05		
	G kalappa Road								
			1	7.90	1.50		11.85		
			1	6.10	1.50		9.15		
						Sqm	**55.65**	**5418.00**	**301511.70**
	Data Rate	**5418.00**							
17	Providing and fixing pre cast solid cement concrete kerb stones made out of CC 1:2:4 with top and bottom width 114 and 165 mm respectively, 400mm high and 450mm in length finished with CM 1:3 plastering and finishing cutting including formwork, curing, including cost of materials, labour charges of machinery, loading and unloading, lead and lift, transportation ete.,complete. As per the direction of Engineer incharge	Nos							
	Agrahara Layout								
	3rd Main Road		1	47.80			47.80		
	3rd Main To 4th Main 18th Cross Road		1	53.70			53.70		
	4th Main to 5th main 18th Crosss		1	50.90			50.90		
	5th Main to 6th Main 18th Cross			56.30			56.30		
	6th Main to Agrahara hospital		1	103.50			103.50		
					Total		312.20		
		Nos		466.30/0.45			693.78		
						Nos	**693.78**	**432.48**	**300045.01**
	Basic Rate	408.00							
	Area Weightage @6%	24.48							
	Total	**432.48**							
18	Painting two coats after filling the surface with synthetic enamel paint in approved shades on new plastered concrete surfaces, with materials, labour complete as per specifications. MORTH Chapter 8 Specification As per the direction of Engineer incharge Primer Coat	Sqm							
	Agrahara Layout								
	3rd Main Road		1	47.80		0.30	14.34		
	3rd Main To 4th Main 18th Cross Road		1	53.70		0.30	16.11		
	4th Main to 5th main 18th Crosss		1	50.90		0.30	15.27		
	5th Main to 6th Main 18th Cross		1	56.30		0.30	16.89		
	6th Main to Agrahara hospital		1	103.5		0.30	31.05		
						Sqm	**93.66**	**53.00**	**4963.98**
	Basic Rate	50.00							
	Area Weightage @6%	3.00							
	Total	**53.00**							
19	Painting two coats after filling the surface with synthetic enamel paint in approved shades on new plastered concrete surfaces, with materials, labour complete as per specifications. MORTH Chapter 8 Specification As per the direction of Engineer incharge	Sqm							
	Agrahara Layout								
	3rd Main Road		1	47.80		0.30	14.34		
	3rd Main To 4th Main 18th Cross Road		1	53.70		0.30	16.11		

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Sl no.	Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
	4th Main to 5th main 18th Crosss		1	50.90		0.30	15.27		
	5th Main to 6th Main 18th Cross		1	56.30		0.30	16.89		
	6th Main to Agrahara hospital		1	103.50		0.30	31.05		
						Sqm	**93.66**	**102.82**	**9630.12**
	Basic Rate	97.00							
	Area Weightage @6%	5.82							
	Total	**102.82**							
20	Providing and installing at site of work 63mm (0.662) PVC Pipes of 6 kg / cm2 including cost of pipes and specials and labour, including lowering into trenches, laying true to line, level and perfect linking at joints leak proof including jointing of approved type with all labour and lift charges, handling charges	Mtr							
	Agrahara Layout		1	269.00			269.00		
						Mtr	**269.00**	**394.32**	**106072.08**
	Basic Rate	372.00							
	Area Weightage @6%	22.32							
	Total	**394.32**							
21	Laying Reinforced cement concrete pipe NP2/ Prestressed concrete pipe for culverts on first class bedding of granular material in single row including fixing collar with cement martar 1:2 but excluding excavation, protection works, backfilling and masonry works in head walls and parapet complete as per specifications. and as per the directions of the Engineer-in-charge of the work .	Mtr							
	Agrahara Layout		10	2.50			25.00		
						Mtr	**25.00**	**5976.28**	**149407.00**
	Basic Rate	5638.00							
	Area Weightage @6%	338.28							
	Total	**5976.28**							
22	Providing 100mm and down nominal size and as per the directions of the Engineer-in-charge of the work .								
	Agrahara Layout	Cum	10	0.28		0.60	1.68		
						Cum	**1.68**	**987.62**	**1659.20**
23	Providing 40mm and down nominal size and as per the directions of the Engineer-in-charge of the work .								
	Agrahara Layout	Cum	10	0.28		0.40	1.12		
						Cum	**1.12**	**1091.43**	**1222.40**
24	Providing 20mm and down nominal size and as per the directions of the Engineer-in-charge of the work .								
	Agrahara Layout								
	For Pit (Area-3.14xD2/4)	Cum	10	0.28		0.40	1.12		
						Cum	**1.12**	**1091.43**	**1222.40**
25	Providing fine aggregate 2.36 nominal size and as per the directions of the Engineer-in-								
	Agrahara Layout								
	For Pit (Area-3.14xD2/4)	Cum	10	0.28		0.30	0.84		
						Cum	**0.84**	**1091.43**	**916.80**
26	Loading and Unloading of stone boulders by manual means complete as per specificatiion and as per the directions of the Engineer-in-charge of the work .	Cum							
			Quantity vide item No-1				1448.41		
						Cum	**1448.41**	**60.42**	**87513.13**
	Basic Rate	57.00							
	Area Weightage @6%	3.42							
	Total	**60.42**							

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Name of work :- Improvements CC Roads & CC drains works at Agrahara layout in Ward No.05

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
							Grand Total		8361968.76 8461045.00
	For 12% Applicable GST							1003436.25	1015325.00
	For 4% KRIDL Charges							334478.75	338442.00
	For 1% DPR Charges @1% pnc charges							198000 = 00	84610.45
	Miscesallaneous Charges	L/S						2116 = 24	577.55
									9900000.00

Certificate:

1) The work spot has been inspected and the work is found necessary.
2) This estimate is prepared as per PWD SR of 2018-19
3) This Estimate Grant under SC-SP/TSP Mukyamantrigala Nava Bengaluru Yojane
4) The provisions were made in this estimate are necessary and adequate.
5) This works come under B.B.M.P. limits.

Assistant Engineer
Ward No. 05(Jakkur)

Executive Engineer 22/X/19
Bruhat Bangalore Mahanagara Palike

Assistant Executive Engineer 15/10/2019
Project Yelahanka

Transtech Engineering Consultants Pvt. Ltd. Bangalore

Administrative Approval

Accorded For RS.99.00 Lakhs only
Head of A/C P-3727
CER NO : 23 Dt: 04/11/19

E.E. (Project) 6/11/19

Technical Sanction

Accorded For RS99.00 Lacs only
Head of A/C P3727
CER NO : 157 Dt: 06.11.2019

[TA] CE (YNK)